

Table 1. Expression of  $\beta$ -lactamase in eggs of NLB-CMV-BL treated hens.

	Hen #	Average $\mu\text{g}$ of $\beta$ -lactamase per egg	# of eggs assayed
1.	Control	$-0.49 \pm 1.73$	68
2.	1522	$9.9 \pm 3.1$	59
3.	1549	$33.5 \pm 7.0$	61
4.	1581	$69.2 \pm 14.9$	51
5.	1587	$62.6 \pm 5.8$	54
6.	1790	$29.0 \pm 2.4$	52
7.	1793	$49.9 \pm 6.2$	51

Control eggs are eggs from untreated hens. The low level of BL in these eggs is due to spontaneous breakdown of PADAC during the course of the kinetic assay. The other hens were transduced with NLB-CMV-BL as described in Example 3. Egg white from each egg was assayed in triplicate.

Page 37, line 2, please replace "~~0.1~~ to 1.3 mg" with -- 10 to 70  $\mu\text{g}$  --.

Page 37, lines 3-12, please delete "However, these quantities were significantly lower from the quantities obtained by western blot assay (see Example 5, below) and were determined to be deceptively lower than the true values. The difference in results between the enzymatic activity assay and the western blot analysis (Example 5) was found to be due to the presence of a  $\beta$ -lactamase inhibitor in egg white. The activity of purified  $\beta$ -lactamase was shown to be inhibited by egg white such that 50 ml of egg white in a 200 ml reaction resulted in nearly 100% inhibition, whereas 10 ml of egg white in a 200 ml reaction resulted in only moderate inhibition. Furthermore, spontaneous breakdown of the enzymatic substrate, PADAC, during the course of the assay also contributed to the erroneously low calculation of  $\beta$ -lactamase concentration."

Page 37, line 16, please replace "a more accurate" with -- another --.

Page 37, lines 26-27, please replace "contain 5.2, 1.3, 0.325, and 0.08  $\mu$ g" with -- contain 236, 59, 15, and 3.6 ng --.

Page 38, line 15, please replace "120 ng, or 2.4 mg per egg," with -- 5 ng, or 100  $\mu$ g per egg, --.

Page 38, line 16, please replace "325 ng" with -- 15 ng --.

Page 38, line 16, please replace "13 mg" with -- 600  $\mu$ g --.

Page 38, lines 19-21, please replace "As explained above, the discrepancy in the protein estimates is believed to be caused by inhibition of enzyme activity by egg white and breakdown of the substrate." with -- The discrepancy in the protein estimates is believed to be due to the inherent inaccuracy of the Western blot or enzymatic assays. Alternatively, the amount of protein made is underestimated by the enzymatic assay because only a portion of the oviduct-produced lactamase is active. --.

Page 38, line 22, please replace "up to 13 mg" with -- amounts -- .

Page 38, line 22, please insert -- (up to 600  $\mu$ g) -- after "egg reported here".

Page 38, lines 23-24, please replace "2-15%" with -- 0.1-1% -- .

Page 39, line 1, please replace "200 mg/egg" with -- 20-40 mg/egg -- .

IN THE CLAIMS:

Please amend claim 25 as follows:

Claim 25 (twice amended). An [unopened] intact egg of an avian species containing protein exogenous to an egg of the avian species.

Please amend claim 27 as follows:

Claim 27 (amended). A method for producing an exogenous protein in an avian oviduct, comprising: